

Converting Colors

$Y_{xy}(38.5152, 0.3079, 0.1964)$

Have a look what the booklet for
Yxy(38.5152, 0.3079, 0.1964)
contains.

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Color

Yxy(38.5152, 0.3079, 0.1964)

Conversions

Conversions Part 1

Format	Color
Hex	F175FD
RGB	241, 117, 253
RGB Percent	95%, 46%, 99%
CMY	0.0547, 0.5413, 0.0077
CMYK	0.05, 0.54, 0.00, 0.01
HSL	295°, 97%, 73%
HSV	295°, 54%, 99%
XYZ	60.3810, 38.5152, 97.2097
YIQ	169.5800, 30.2480, 68.5840

Conversions

Conversions Part 2

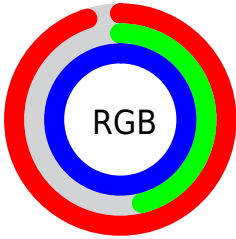
Format	Color
R _Y B	241, 117, 253
Decimal	15824381
CIE Lab	68.40, 66.04, -47.07
CIE LCh	68, 81.093, 324.522
Yxy	38.5152, 0.3079, 0.1964
Android (android.graphics.Color)	4294014461 (0xFFFF175FD)
YUV	169.5800, 41.1261, 62.6353
Hunter-Lab	62.0606, 65.0630, -49.4275

Details

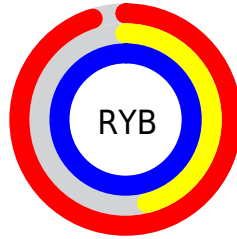
The Yxy color **38.5152, 0.3079, 0.1964** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.2209, 0.3105, 0.4993**, and the grayscale version is **39.7570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **17.0585, 0.3028, 0.1676** is the 20% darker color. If you saturate the color by 10%, you get **33.0079, 0.3062, 0.1771**, and if you desaturate by 10%, it is **45.6236, 0.3094, 0.2188**.

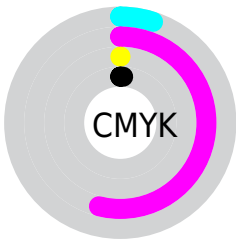
Distribution



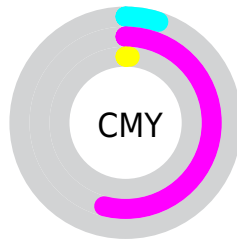
- Red (95%)
- Green (46%)
- Blue (99%)



- Red (95%)
- Yellow (46%)
- Blue (99%)



- Cyan (5%)
- Magenta (54%)
- Yellow (0%)
- Black (1%)





- Cyan (5%)
- Magenta (54%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5152, 0.3079, 0.1964 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 38.5152, 0.3079, 0.1964 by changing the saturation by 10% instead.


 38.5152, 0.3079,
0.1964


 38.5152, 0.3079,
0.1964


339.8249, 0.3131,
0.2559


 26.3828, 0.3060,
0.1836


 72.8971, 0.3103,
0.2165

 17.1102, 0.3032,
0.1682

 95.9154, 0.3111,
0.2245

 10.3131, 0.2991,
0.1495


 123.3311, 0.3116,
0.2314

 5.6071, 0.2929,
0.1266

155.5287, 0.3121,
0.2375

 2.6077, 0.2827,
0.0985

192.8924, 0.3124,
0.2429

 0.9305, 0.2653,
0.0647

235.8068, 0.3127,

 0.0000, 0.2402,

0.2477

0.0000

284.6562, 0.3129,
0.2520

■ 0.0000, 0.1498,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5152, 0.3079,
0.1964

■ 38.5152, 0.3079,
0.1964

■ 33.0079, 0.3062,
0.1771

■ 45.6236, 0.3094,
0.2188

■ 28.9650, 0.3042,
0.1617

■ 54.4451, 0.3106,
0.2433

■ 26.2355, 0.3021,
0.1507

■ 65.0874, 0.3115,
0.2689

■ 24.6332, 0.2998,
0.1442

■ 77.6479, 0.3122,
0.2947

■ 24.0383, 0.2984,
0.1418

■ 92.2172, 0.3126,
0.3198

99.7651, 0.3135,
0.3309

99.8741, 0.3138,
0.3309

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.5152, 0.2077, 0.1676



38.5152, 0.3079, 0.1964



38.5152, 0.4328, 0.2496

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.5152, 0.3079, 0.1964



38.5152, 0.4802, 0.4743



38.5152, 0.1370, 0.2846

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.5152, 0.3079, 0.1964



76.2209, 0.3105, 0.4993

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.5152, 0.1888, 0.4216



38.5152, 0.3079, 0.1964



38.5152, 0.3859, 0.5433

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.5152, 0.3079, 0.1964



38.5152, 0.5376, 0.3927



38.5152, 0.2804, 0.5381



38.5152, 0.1261, 0.2011

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



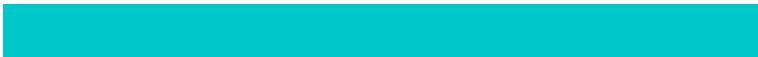
38.5152, 0.3079, 0.1964



38.5152, 0.5022, 0.2940



38.5152, 0.2804, 0.5381



38.5152, 0.1493, 0.3257

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.5169, 0.3079, 0.1964



75.9987, 0.3120, 0.2889



26.9919, 0.2116, 0.1724



15.6881, 0.3119, 0.2836



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.5169, 0.3079, 0.1964



32.9999, 0.3059, 0.1749



37.7094, 0.3737, 0.2466



18.2142, 0.3124, 0.3055



12.8163, 0.2988, 0.1420



1.2708, 0.3015, 0.1434

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.1881, 0.4584, 0.3173



29.4431, 0.5088, 0.3165



77.0081, 0.2804, 0.4331



18.0131, 0.3281, 0.3269



11.1488, 0.6306, 0.3247



1.0939, 0.6112, 0.3141

Previews

White Background



This preview shows how the Yxy color 38.5152, 0.3079, 0.1964 looks on a white background.

Color Contrast Check

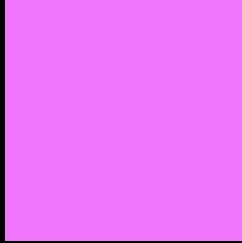
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.5152, 0.3079, 0.1964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

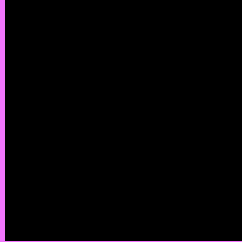
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.5152, 0.3079, 0.1964

Background



This preview shows how black text looks on a background with the Yxy color 38.5152, 0.3079, 0.1964.



This preview shows how white text looks on a background with the Yxy color 38.5152, 0.3079, 0.1964.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.5152, 0.3079, 0.1964

Protanopia

38.7575, 0.2282, 0.2157

Deuteranopia

38.9550, 0.2352, 0.2293



Tritanopia

38.1399, 0.3933, 0.3164

Trichromacy



Original Color

38.5152, 0.3079, 0.1964



Protanomaly

36.7938, 0.2510, 0.2037



Deuteranomaly

36.8939, 0.2570, 0.2114

Tritanomaly

37.7728, 0.3612, 0.2666

Monochromacy



Original Color

38.5152, 0.3079, 0.1964



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.0391, 0.3118, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5152, 0.3079, 0.1964 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(241, 117, 253)` looks like.

```
.text, #text, p{  
    color:rgb(241, 117, 253)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(241, 117, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 117, 253) }
```

Border

The CSS property to change the border of an element to Yxy 38.5152, 0.3079, 0.1964 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(241, 117, 253) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(241, 117, 253) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(241, 117, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 117, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 117, 253);  
box-shadow:4px 4px 4px 4px rgb(241, 117,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5152, 0.3079, 0.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 117, 253) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(241,  
117, 253) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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